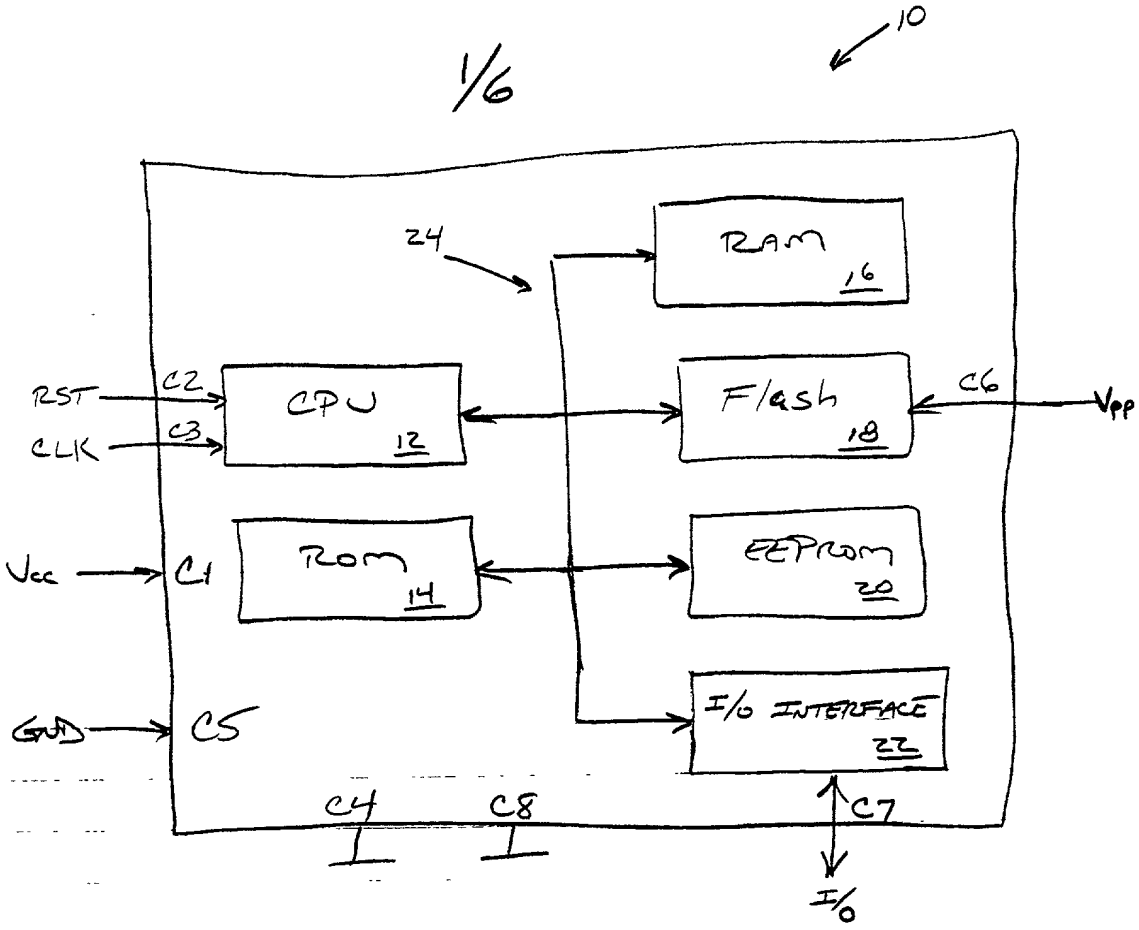

10
24
RAM
16
RST
C2
CPU
12
CLK
C3
Flash
18
C6
Vpp
Vcc
C1
ROM
14
EEPROM
20
GND
C5
I/O INTERFACE
22
C4
C8
C7
I/O

FIG. 1

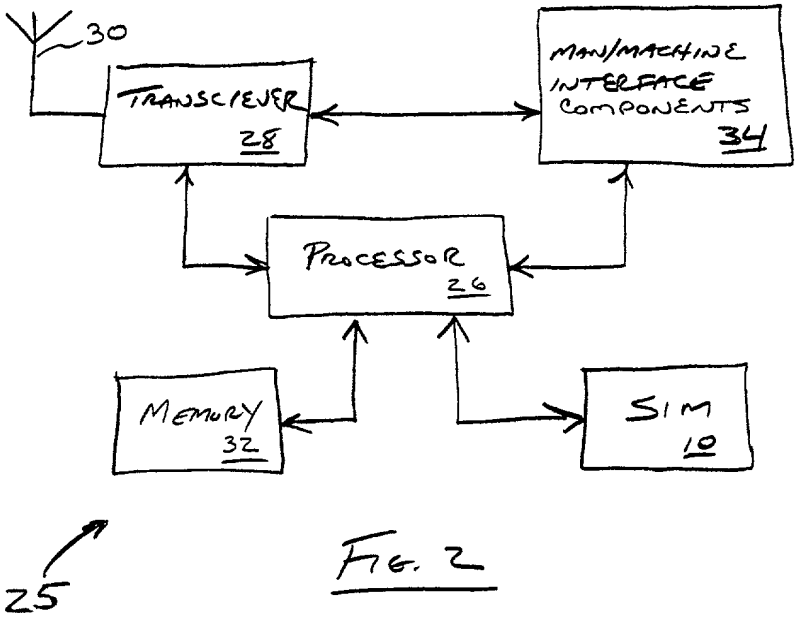

30
TRANSCIEVER
28
MAN/MACHINE
INTERFACE
COMPONENTS
34
PROCESSOR
26
MEMORY
32
SIM
10
25

FIG. 2

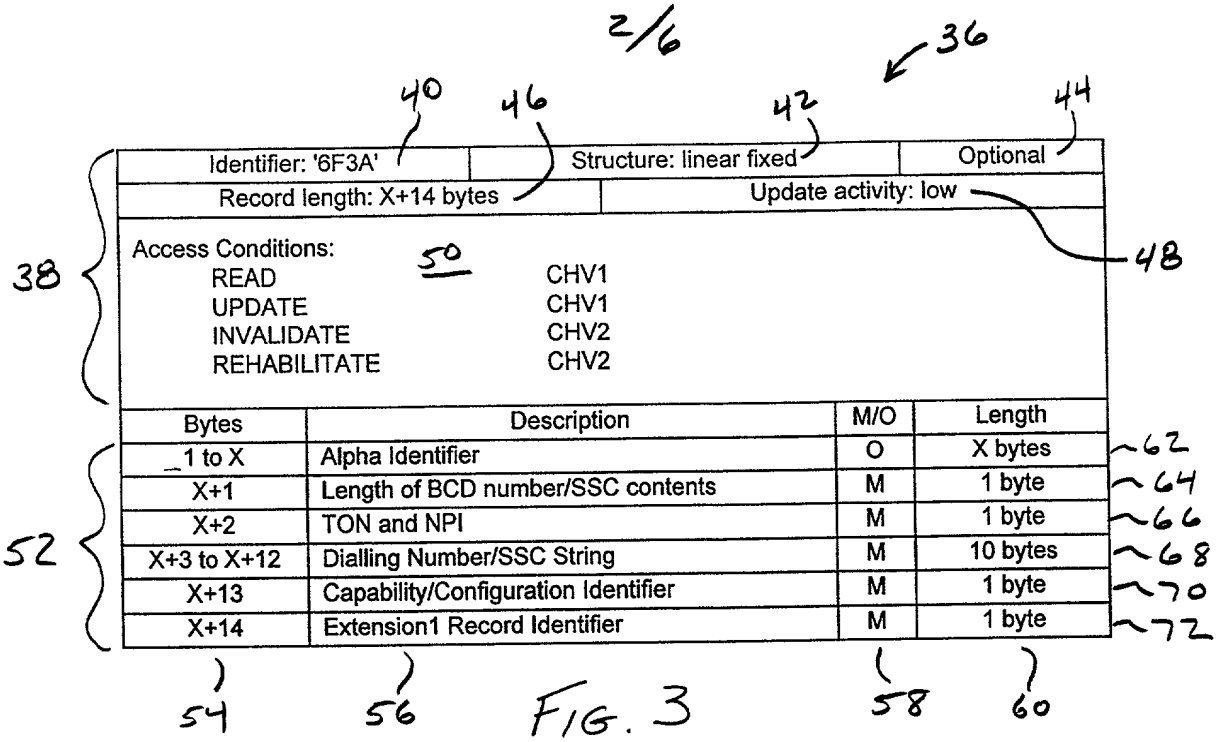
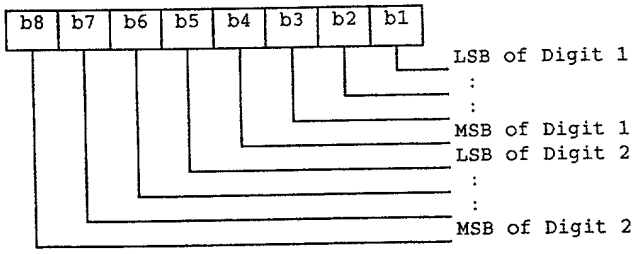


FIG. 3
(PRIOR ART)

Byte X+3



Byte X+4:

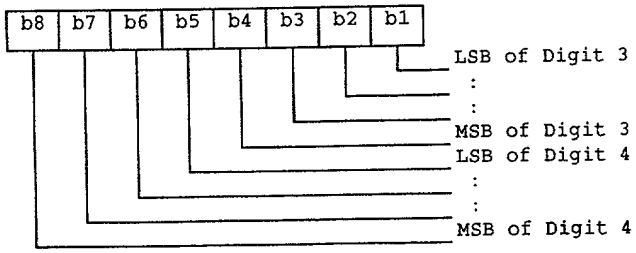


FIG. 4

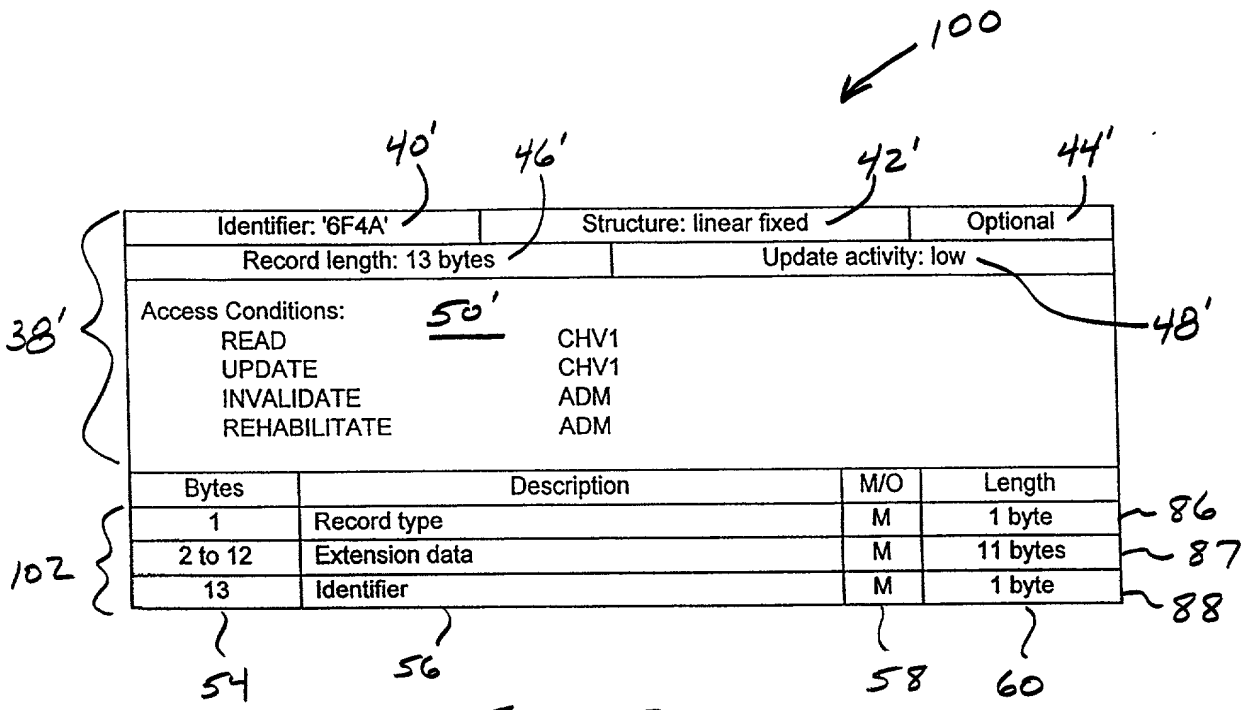
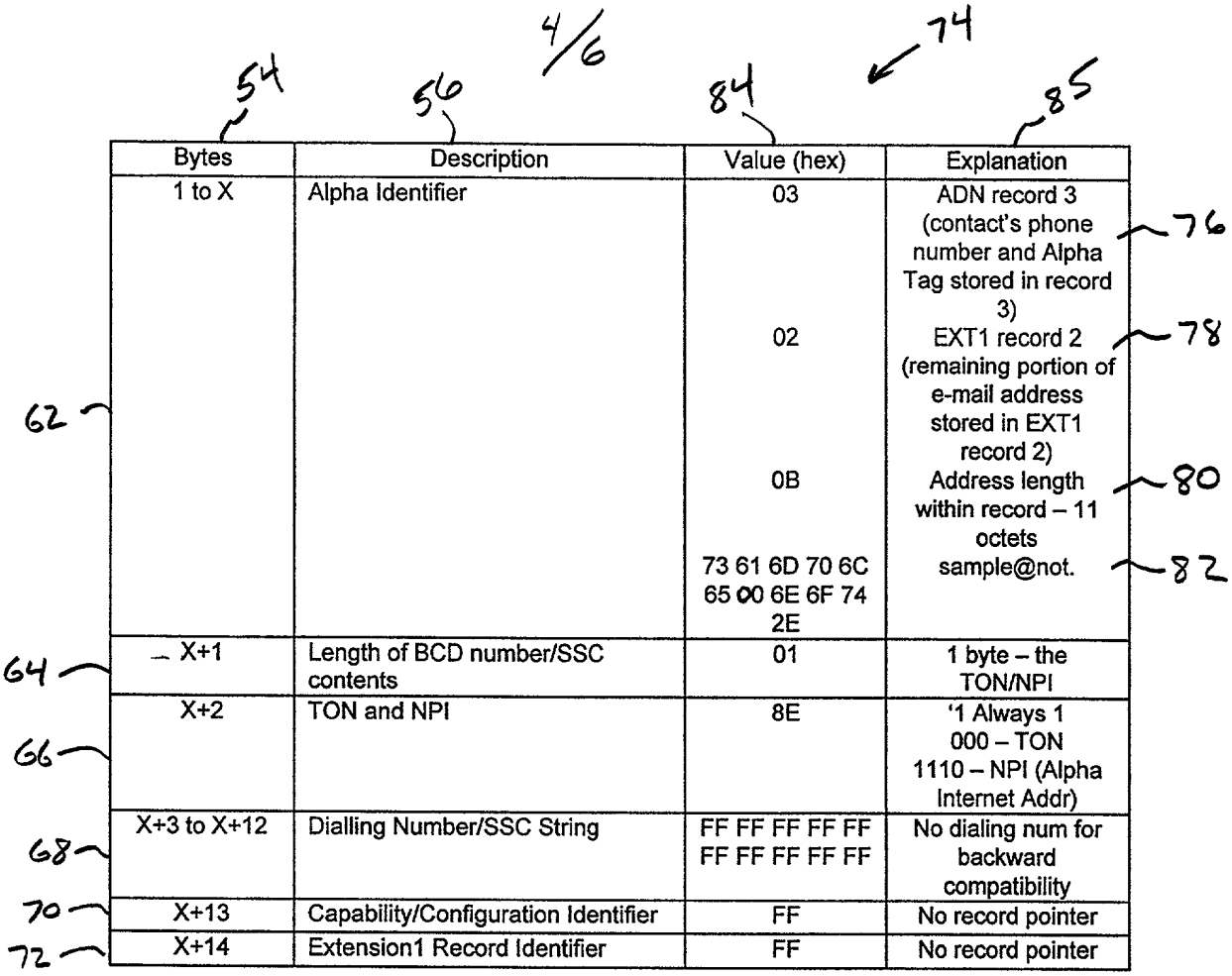


FIG. 5

(PRIOR ART)

Docket No. 2000.12.0



Bytes	Description	Value (hex)	Explanation
1 to X	Alpha Identifier	03	ADN record 3 (contact's phone number and Alpha Tag stored in record 3)
		02	EXT1 record 2 (remaining portion of e-mail address stored in EXT1 record 2)
		0B	Address length within record – 11 octets
		73 61 6D 70 6C 65 00 6E 6F 74 2E	sample@not.
X+1	Length of BCD number/SSC contents	01	1 byte – the TON/NPI
X+2	TON and NPI	8E	'1 Always 1 000 – TON 1110 – NPI (Alpha Internet Addr)
X+3 to X+12	Dialling Number/SSC String	FF FF FF FF FF FF FF FF FF FF	No dialing num for backward compatibility
X+13	Capability/Configuration Identifier	FF	No record pointer
X+14	Extension1 Record Identifier	FF	No record pointer

FIG. 6

EXT Record 2

Bytes	Description	Value (hex)	Explanation
1	Record Type	02	Additional data
2 to 12	Extension data	04 65 61 6C 72 FF FF FF FF FF FF	Remaining length of 4 octets real Remaining octets coded as 'FF'
13	Identifier	FF	No extension needed

FIG. 7

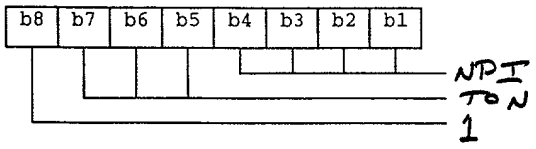


FIG. 8

74'

54 Bytes	56 Description	84 Value (hex)	85 Explanation
1 to X	Alpha Identifier	FF	No existing contact (76')
		FF	No EXT1 record (78')
		0F	Address length of 15 octets (80')
		73 61 6D 70 6C 65 40 6E 6F 74 2E 72 65 61 6C	Sample@not.real (82')
		73 61 6D 70 6C 65	Alpha Tag = "sample" (90)
X+1 (64)	Length of BCD number/SSC contents	01	1 byte – the TON/NPI
X+2 (66)	TON and NPI	8E	'1 Always 1 000 – TON 1110 – NPI (Alpha Internet Addr)
X+3 to X+12 (68)	Dialling Number/SSC String	FF FF FF FF FF FF FF FF FF FF	No dialing num for backwards-compatibility
X+13 (70)	Capability/Configuration Identifier	FF	No record pointer
X+14 (72)	Extension1 Record Identifier	FF	No record pointer

62'

FIG. 9

92

Bytes (54)	Description (56)	Value (hex) (84)	Explanation (85)	
1 to X	Alpha Identifier	03	ADN record 3 (contact's phone number and Alpha Tag stored in record 3)	76
		02	EXT1 record 2 (remaining portion of e-mail address stored in EXT1 record 2)	78
		0B	Addr length within record - 11 octets	80
		73 61 6D 70 6C 65 00 6E 6F 74 2E	sample@not.	82
X+1	Length of BCD number/SSC contents	02	2 bytes – the TON/NPI and 1 digit number	64'
X+2	TON and NPI	8E	'1 Always 1 000 – TON 1110 – NPI (Alpha Internet Addr)	66
X+3 to X+12	Dialling Number/SSC String	F0 FF FF FF FF FF FF FF FF FF	Just '0' to prevent erasure on legacy	68'
X+13	Capability/Configuration Identifier	FF	No record pointer	70
X+14	Extension1 Record Identifier	02	EXT1 record 2	72'

62

FIG. 10